



### **Nano Diamond Tennis Racquet**

A color-enhanced scanning electron microscope image of a prototype NEMS resonator fabricated from 30- $\mu\text{m}$ -thick nanocrystalline diamond film and covered by 30 nm of sputtered gold. Because of the 1- $\mu\text{m}$ -diameter particle accidentally on it, we call it our Nano Tennis Racquet. The smaller particle and the "strings" are 80 nm wide.